

Figure 1A: Mass Coding Flowchart

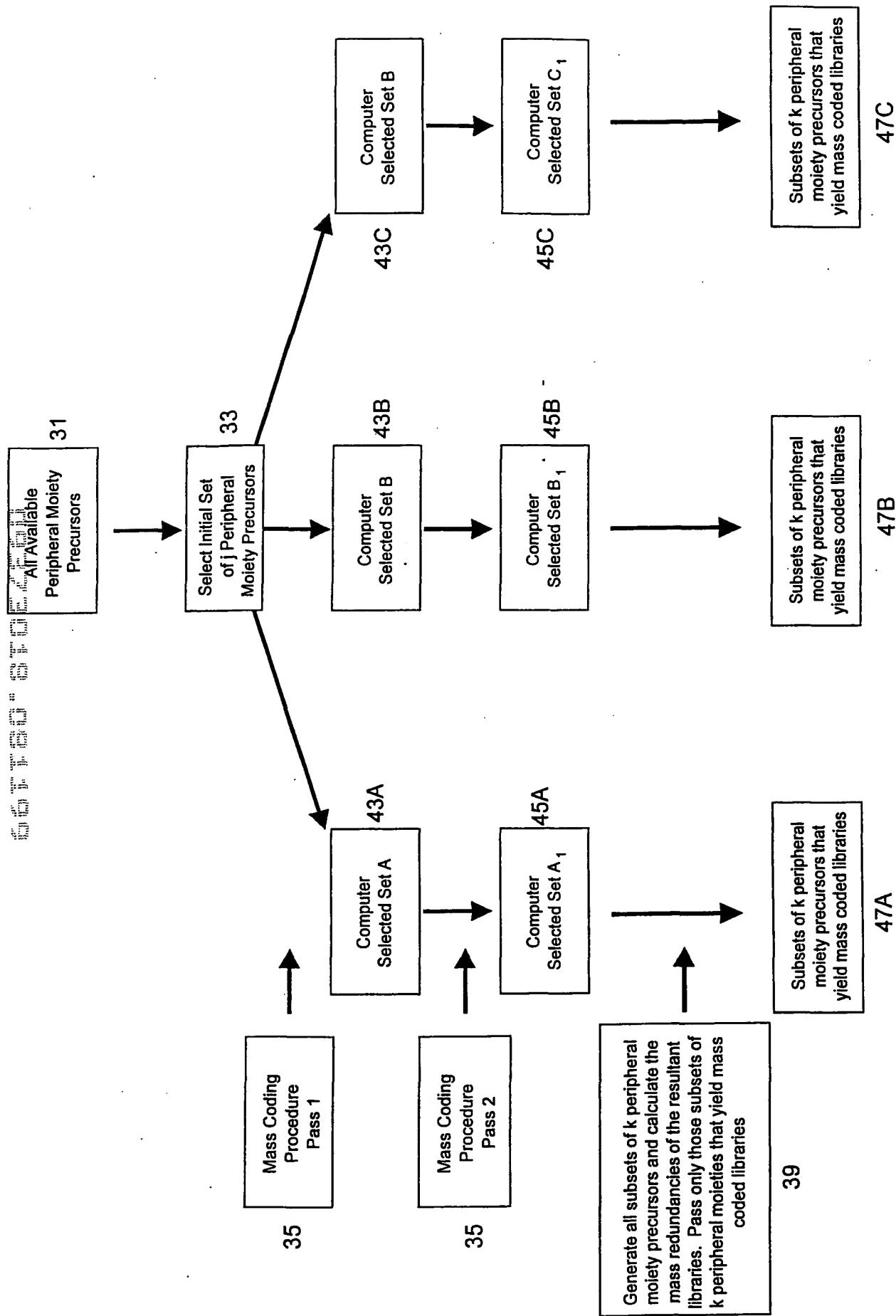


Figure 1B: Alternate Method for Mass Coding

Figure 2: Statistical Analysis of the Percentage Mass Redundancy of Libraries Obtained From Either a Computer Selected Set of Peripheral Moiety Precursors or From a Randomly Chosen Set of Peripheral Moiety Precursors

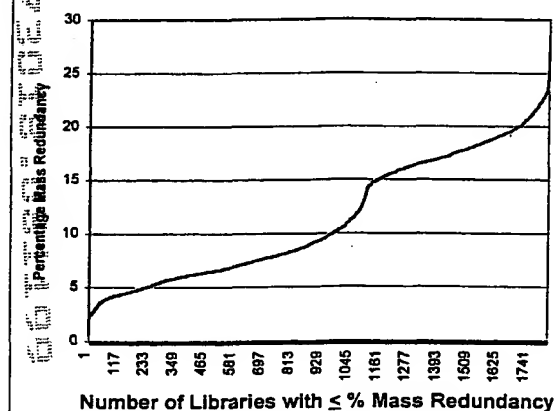
Fig: 2A  
% Mass Redundancy of Libraries  
From a Computer Selected Set of  
Peripheral Moiety Precursors

Fig: 2B  
% Mass Redundancy of Libraries  
From a Randomly Chosen Set of  
Peripheral Moiety Precursors

Library Mass Redundancy	Number of Libraries	Percentage of Set
<3%	24	1.32
<5%	234	12.86
<10%	972	53.41

Average Mass Redundancy 11.47 Percent

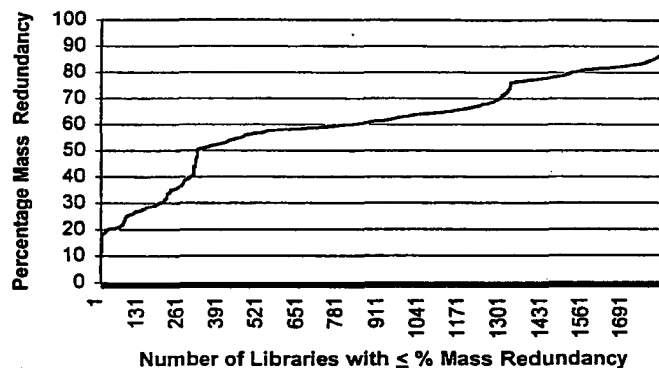
Percentage Mass Redundancy of Libraries From  
a Computer Optimized Set of Peripheral Moiety  
Precursors



Library Mass Redundancy	Number of Libraries	Percentage of Set
<3%	0	0.00
<5%	0	0.00
<10%	0	0.00

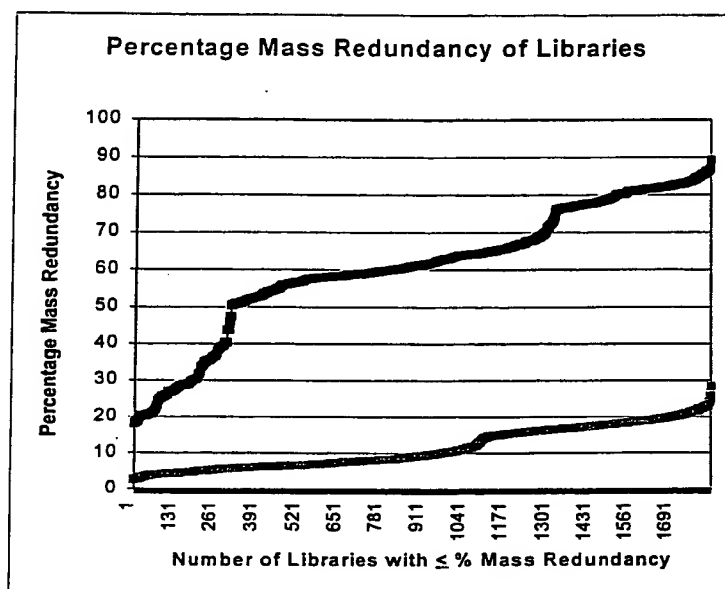
Average Mass Redundancy 60.69 Percent

Percentage Mass Redundancy of Libraries From  
a Randomly Chosen Set of Peripheral Moiety  
Precursors



<sup>1</sup> Note: Y-ordinate scale is different for two charts.

Figure 2C: Comparison of the Percentage Mass Redundancy of Libraries Obtained From a Computer Selected Set of Peripheral Moiety Precursors vs. Those Obtained From a Randomly Chosen Set of Peripheral Moiety Precursors



From Randomly Chosen Set

From Computer Selected Set

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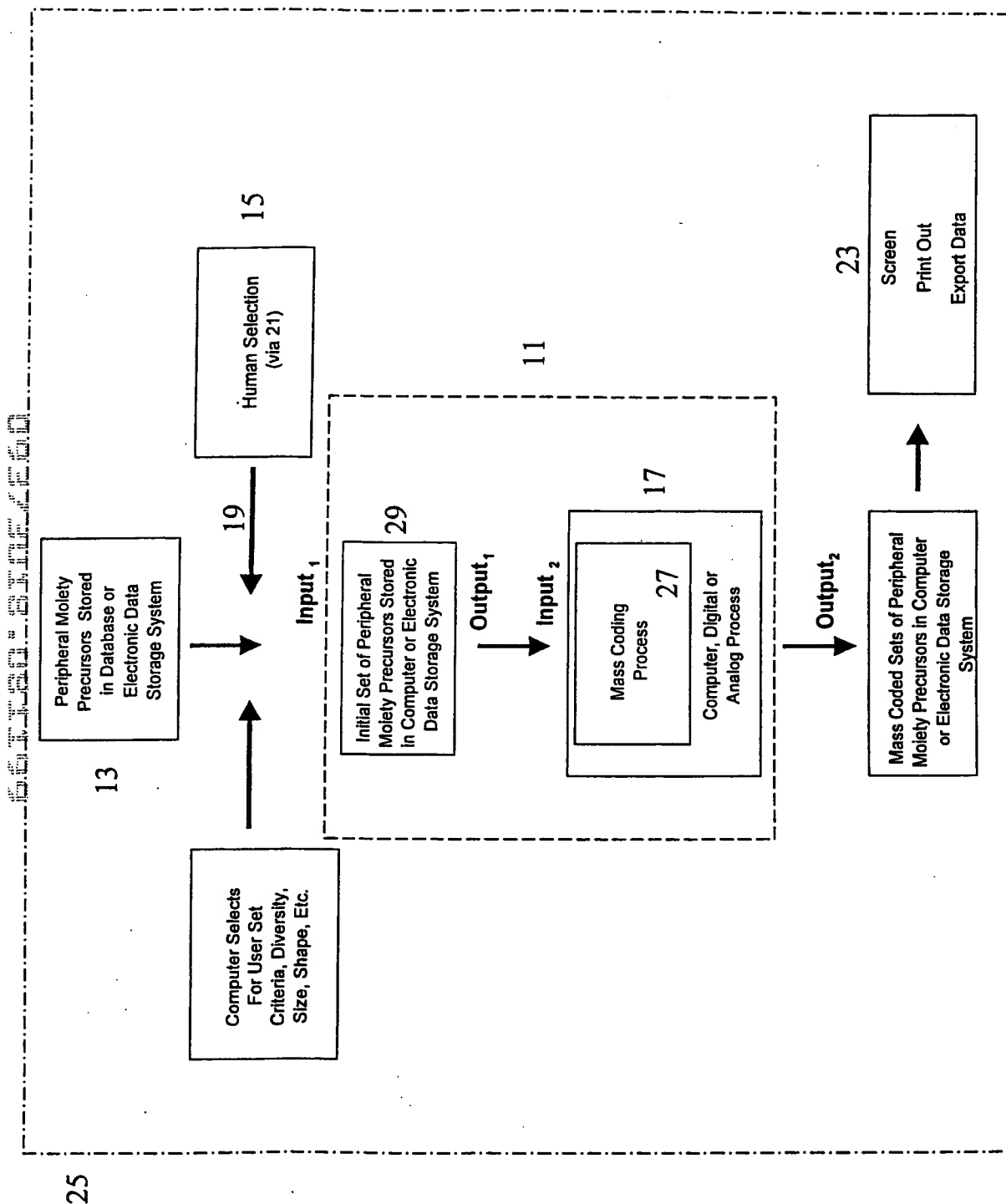


Figure 3: System Flow for Mass Coding Process